



Management Service

CERTIFICATE

The Certification Body
of TÜV SÜD Management Service GmbH

certifies that

swiss solar QUALITY TECHNOLOGY

SWISS SOLAR AG

Bahnhofstrasse 21
6300 Zug
Switzerland

has established and applies
a Quality Management System for

**Sales of solar modules,
solar inverters and mounting system.**

An audit was performed, Order No. **707127772**.

Proof has been furnished that the requirements
according to

ISO 9001:2015

are fulfilled.

The certificate is valid in conjunction
with the main certificate from **2021-06-01** until **2024-05-31**.

Certificate Registration No.: **12 100 62049/02 TMS**.

Head of Certification Body
Munich, 2021-06-02



ZERTIFIKAT ◆ CERTIFICATE ◆ CERTIFICADO ◆ CERTIFICAT ◆
CERTIFIKAT ◆ CERTIFICATE ◆ CERTIFICADO ◆ CERTIFICAT ◆
認證書 ◆



Management Service

CERTIFICATE

The Certification Body
of TÜV SÜD Management Service GmbH

certifies that

swiss solar QUALITY
TECHNOLOGY

SWISS SOLAR AG

Bahnhofstrasse 21

6300 Zug

Switzerland

has established and applies
an Occupational Health and Safety Management System for

**Sales of solar modules,
solar inverters and mounting system.**

An audit was performed, Order No. **707127772**.

Proof has been furnished that the requirements
according to

ISO 45001:2018

are fulfilled.

The certificate is valid in conjunction
with the main certificate from **2021-06-17** until **2024-06-16**.

Certificate Registration No.: **12 117 62049/02 TMS**.

Head of Certification Body
Munich, 2021-06-21



CERTIFICAT



CERTIFICADO



СЕРТИФИКАТ



認證證書



CERTIFICATE



ZERTIFIKAT



CERTIFICATE

No. Z2 110727 0001 Rev. 00

Holder of Certificate: **SWISS SOLAR AG**
Bahnhofstrasse 21
6300 ZUG
SWITZERLAND

Certification Mark:



Product: **Crystalline Silicon Terrestrial Photovoltaic (PV) Modules**
Mono-Crystalline Silicon Photovoltaic Module

The product was tested on a voluntary basis and complies with the essential requirements. The certification mark shown above can be affixed on the product. It is not permitted to alter the certification mark in any way. In addition, the certification holder must not transfer the certificate to third parties. This certificate is valid until the listed date, unless it is cancelled earlier. All applicable requirements of the testing and certification regulations of TÜV SÜD Group have to be complied. For details see: www.tuvsud.com/ps-cert

Test report no.: 701262009501-00

Valid until: 2025-07-20

Date, 2020-11-25

(Zhulin Zhang)

CERTIFICATE

No. Z2 110727 0001 Rev. 00

Model(s):

1000 V DC system voltage Single Glass modules:
IBEX 72-xxxM-PERC, xxx= 330 to 390 in step of 5;
IBEX 60-xxxM-PERC, xxx= 275 to 325 in step of 5;

1500 V DC system voltage Single Glass modules:
IBEX 72-xxxM-PERC HV, xxx= 330 to 390 in step of 5;
IBEX 60-xxxM-PERC HV, xxx= 275 to 325 in step of 5;

Half cell 1000 V DC system voltage Single Glass modules:
IBEX 144MHC-xxx-DUO, xxx= 370 to 415 in step of 5;
IBEX 120MHC-xxx-DUO, xxx= 305 to 345 in step of 5;
IBEX 144MHC-xxx-COSMOS, xxx= 420 to 460 in step of 5;
IBEX 120MHC-xxx-COSMOS, xxx= 350 to 380 in step of 5;

Half cell 1500 V DC system voltage Single Glass modules:
IBEX 144MHC-xxx-DUO HV, xxx= 370 to 415 in step of 5;
IBEX 120MHC-xxx-DUO HV, xxx= 305 to 345 in step of 5;
IBEX 144MHC-xxx-COSMOS HV, xxx= 420 to 460 in step of 5;
IBEX 120MHC-xxx-COSMOS HV, xxx= 350 to 380 in step of 5;

xxx is standing for rated output power at STC.

Parameters:

Construction:	Framed, with Junction box, Cable and connectors.
Test Laboratory:	Yangzhou Opto-Electrical Products Testing Institute No.10 West Kaifa Road, Yangzhou 225009 Jiangsu, P.R.China.
Safety Class:	Class II
Max. system voltage:	1000 V DC or 1500 V DC
Fire Safety Class:	Class C according to UL790

Tested according to:

IEC 61215-1:2016
IEC 61215-1-1:2016
IEC 61215-2:2016
IEC 61730-1:2016
IEC 61730-2:2016

Production Facility(ies):

083334



CERTIFICATE

No. Z2 110727 0002 Rev. 00

Holder of Certificate: **SWISS SOLAR AG**
Bahnhofstrasse 21
6300 ZUG
SWITZERLAND

Certification Mark:



Product: **Crystalline Silicon Terrestrial Photovoltaic (PV) Modules**
Mono-Crystalline Silicon Photovoltaic Module

The product was tested on a voluntary basis and complies with the essential requirements. The certification mark shown above can be affixed on the product. It is not permitted to alter the certification mark in any way. In addition, the certification holder must not transfer the certificate to third parties. This certificate is valid until the listed date, unless it is cancelled earlier. All applicable requirements of the testing and certification regulations of TÜV SÜD Group have to be complied. For details see: www.tuvsud.com/ps-cert

Test report no.: 701262106201-00

Valid until: 2025-12-17

Date, 2021-05-07

(Zhulin Zhang)

CERTIFICATE

No. Z2 110727 0002 Rev. 00

Model(s):

1000 V DC system voltage Single Glass modules:
IBEX 72-xxxM-PERC, xxx= 330 to 390 in step of 5;
IBEX 60-xxxM-PERC, xxx= 275 to 325 in step of 5;

1500 V DC system voltage Single Glass modules:
IBEX 72-xxxM-PERC HV, xxx= 330 to 390 in step of 5;
IBEX 60-xxxM-PERC HV, xxx= 275 to 325 in step of 5;

Half cell 1000 V DC system voltage Single Glass modules:
IBEX 144MHC-xxx-DUO, xxx= 370 to 415 in step of 5;
IBEX 120MHC-xxx-DUO, xxx= 305 to 345 in step of 5;
IBEX 144MHC-xxx-COSMOS, xxx= 430 to 460 in step of 5;
IBEX 120MHC-xxx-COSMOS, xxx= 360 to 380 in step of 5;

Half cell 1500 V DC system voltage Single Glass modules:
IBEX 144MHC-xxx-DUO HV, xxx= 370 to 415 in step of 5;
IBEX 120MHC-xxx-DUO HV, xxx= 305 to 345 in step of 5;
IBEX 144MHC-xxx-COSMOS HV, xxx= 430 to 460 in step of 5;
IBEX 120MHC-xxx-COSMOS HV, xxx= 360 to 380 in step of 5;
xxx is standing for rated output power at STC

Parameters:

Construction:	Framed, with Junction box, Cable and Connectors.
Safety Class:	Class II
Maximum System Voltage:	1500 V DC or 1000 V DC
Fire Safety Class:	Class C
Severity of Salt mist test:	Severity 5

Tested according to:

IEC 61215-1:2016
IEC 61215-1-1:2016
IEC 61215-2:2016
IEC 61730-1:2016
IEC 61730-2:2016
IEC 61701:2011

CERTIFICATE

TÜV NORD CERT GmbH
herewith declares that

SWISS SOLAR AG
Bahnhofstrasse 21, CH-6300 Zug, Switzerland

is authorized to provide the product mentioned below with the mark as illustrated:

Description of product (details see Annex 2):

PV Modules with 7" Half Cut Mono-crystalline Silicon Solar Cells



Valid from: 2021-04-15

Valid until: 2023-05-09

Tested according to: IEC / EN 61215-1:2016;
IEC / EN 61215-1-1:2016;
IEC 61215-2:2016 / EN 61215-2:2017 + AC:2017 + AC:2018;
IEC 61730-1:2016 / EN IEC 61730-1:2018 + AC:2018;
IEC 61730-2:2016 / EN IEC 61730-2:2018 + AC:2018.

Registered No.: 44 780 21 406749 - 050

Manufacturer: see Annex 1

Test Report No.: 492011649.001

File No.: PVP04001/21P



TÜV NORD CERT GmbH
Certification Body
Consumer Products



Essen, 2021-04-15

Please also pay attention to the information stated overleaf.

Anlage 1 zum Zertifikat Nr.: / Annex 1 to Certificate No.: 44 780 21 406749 - 050

Seite / Page 1 von / of 1

Aktenzeichen: / File reference: PVP04001/21P

2021-04-15

Manufacturer:

Manufacturer: Coded by debtor no. 55403167

Factory inspection report no.: 862010379.003

Remark:

Factory inspection is mandatory to be performed annually. Please refer to factory inspection report for detailed information.

A handwritten signature in blue ink, appearing to read "Rogner K1".

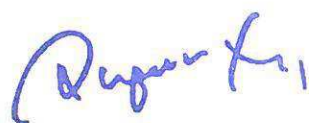
TÜV NORD CERT GmbH
Certification Body
Consumer Products

Description of product(s):

Module types:	PV Modules with 7" Half Cut Mono-crystalline Silicon Solar Cells: 156 cells: IBEX-156MHC-EiGER-***W (***=560-605, in increment of 5) 144 cells: IBEX-144MHC-EiGER-***W (***=515-555, in increment of 5) 132 cells: IBEX-132MHC-EiGER-***W (***=475-510, in increment of 5) 120 cells: IBEX-120MHC-EiGER-***W (***=430-465, in increment of 5) 108 cells: IBEX-108MHC-EiGER-***W (***=390-415, in increment of 5)
Maximum system voltage:	1500V
Fuse rating:	25A
Electrical protection class:	Class II
Pollution degree:	1
Material group:	I or II
Design load (positive / negative):	3600Pa (positive) / 1600Pa (negative)
Safety factors:	1.5
Fire safety class:	Class C according to ANSI/UL 1703-2018 (per ANSI/UL 790-2018)

Remark:

For detailed product information, please refer to CDF (Constructional Data Form) in Annex 1 of test report.



TÜV NORD CERT GmbH
Certification Body
Consumer Products

**Certificate
of conformity with the following
European Directives**

Registered No.:
44 799 21 406749 - 031

Low-Voltage Directive 2014/35/EU

Date of application	File reference	Test report No.	Date of issue	Place of issue
2021-04-01	PVP04001/21P	492011649.001	2021-04-15	Essen

This is to certify that the following products comply to the essential requirements of the above mentioned European Directive and the following standards, taking into account the German national deviations:

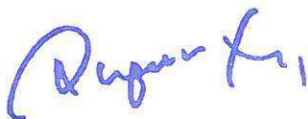
Product: Crystalline Silicon Terrestrial Photovoltaic (PV) Modules

Type designation: See Annex 1

Applicant: **SWISS SOLAR AG**
Bahnhofstrasse 21, CH-6300 Zug, Switzerland

Standard(s): EN IEC 61730-1:2018; EN IEC 61730-1:2018/AC:2018-06
EN IEC 61730-2:2018; EN IEC 61730-2:2018/AC:2018-06

This Certificate of conformity is based on the evaluation of samples of the product. It does not imply an assessment of the production and it does not permit the use of a mark of conformity or of a safety mark of the TÜV NORD CERT GmbH. The holder of this certificate may use this Certificate together with his EC-Declaration of Conformity.



Certification Body
Specialist Manager Consumer Products

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D-45032 Essen
Fon: +49 (0)201 825-5120
Fax: +49 (0)201 825-3209
Email: prodcert@tuev-nord.de

Description of product(s):

Module types:

PV Modules with 7" Half Cut Mono-crystalline Silicon Solar Cells:

156 cells: IBEX-156MHC-EiGER-***W (***=560-605, in increment of 5)

144 cells: IBEX-144MHC-EiGER-***W (***=515-555, in increment of 5)

132 cells: IBEX-132MHC-EiGER-***W (***=475-510, in increment of 5)

120 cells: IBEX-120MHC-EiGER-***W (***=430-465, in increment of 5)

108 cells: IBEX-108MHC-EiGER-***W (***=390-415, in increment of 5)



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